

ROUBAL, Z.

CZECH

V New complex-forming reagents in polarography. -II.
Pyrocatechol-5-sulfonic acid. Zdenek Svátek, Zdenek
Roubal, and Rudolf Přibil (Pharm.-and Biochem. Research
Institute). Collection Czechoslov. Chem. Commun. 197
874-7 (1964) (in English).—See C.A. 43, 4350h. E.J.C.—)

Roubal, Z.

CZECH

*Complexometric Titrations (Chelatometry). VIII.—The Masking of Cations with 2,3-Dimercaptopropanol. R. Příhrl and Z. Roubal (*Coll. Czechoslov. Chem. Commun.*, 1954, 19, (6), 1162-1170). [In German]. Cf. *ibid.*, p. 1156; *M.A.*, 22, 1198. An alcoholic soln. of 2,3-dimercaptopropanol was used to mask a number of cations, such as Pb, Bi, Zn, Hg, &c. Un-dissociated salts completely or almost colourless in NH₄OH are formed, making possible a series of complexometric detn., for example the dets. of Cu and Mn in the presence of Pb and Bi. Advantage was taken of the different reactivities of the complexonates for the detn. in stages of, for instance, Pb in the presence of Mn, and Zn associated with Ni; by the use of other complexing substances—KCN and triethanolamine—as many as 4-5 cations could be determined in stages in the same soln. Examples given are mixtures of Pb, Co, and Mn, of Ni, Zn, and Mg, and of Pb, Zn, Ni, Mg, and Ca, Fe and Al being also present.—L. D. H.

MEDAL, Z.; KRIEHL, R.

"Complexometric Titrations (Chelatometry). VIII. Determining of Cations
with 2, 3-dimercaptopropano", R. 812, (CHETIKA-MITY, Vol. 42, No. 6,
June 1954, Praha, Czech.)

SC: Monthly List of East European Publications (EWI), LC, Vol. 4, No. 3,
March 1955, Uncl.

CZECHOSLOVAKIA/Human and Animal Physiology - Digestion.

T-7

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31817

Author : Vokac, V., Placer, Z., Roubal, Z.

Inst :

Title :

Protective Action of Gastric Mucus Against the Formation
of Experimentally-Induced Ulcers of the Stomach. IV. Ac-
tion of Sulfonated Amylose Against the Formation of Ulcers.

Orig Pub : Ceskosl. gastroenterol. a vyziva, 1957, 11, No 4, 266-273.

Abstract : Sulfanated amylose (I) in a dose of 12.5 mg introduced into
the stomach of rats with a dressed pylorus for obtaining
experimentally-induced ulcers by the Shay' method reduced
damage of the mucosa of the stomach by 80%, but 25 mg of I
completely prevented the appearance of ulcers. The intro-
duction of I was not accompanied by toxic phenomena. The
protective action of I was stronger than the action of
nontoxic doses of atropine and natural gastric mucus.

Card 1/1

- 69 -

ROUBAL, Z.; VOKAC, V.; PLACER, Z.

"Effect of liver on the biosynthesis of serum mucoproteins."

CESKOMOLOVSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. 7, no. 4, July 1953

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Unclassified

ROUBAL, Z.; HAZER, Z.

"Esterolysis affected by mucoproteins in serum."

CESKOSLOVENSKA FYSIOLOGIE, Praha, Czechoslovakia, Vol. 7, no. 4, July 1958

Monthly list of East Europe Accessions (EEAI), LC, Vol. 8, No. 6, Sept 59
Uncles

PLACER, Z.;SLABOCHOVA, Z.;ROUBAL, Z.

Antilipaemic action of heparinoids. Rev. Czech. M. 5 no.3:192-201
1959.

1. Institute for Human Nutrition, Prague, Director: Doc. J. Masek,
Research Institute for Pharmacy and Biochemistry, Prague, Director:
Ing. Dr. O. Nemecek.

(LIPOPOTEIN LIPASE)

PLACER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.; NOVAK, M.; HOLECKOVA, E.; SEKLA, B.

Serum esterase activity and mucoproteinemia in rats after the
implantation of Walker 256 tumor. Neoplasma, Bratisl. 7 no.1
suppl:44-46 '60.

(NEOPLASMS blood)
(ESTERASES blood)
(MUCOPROTEINS blood)

PLACER, Z.; SIABOCHOVA, Z.; ROUBAL, Z.

Antilipemic activity of gastric mucus. Cesk. fysiol. 9 no.1:
44-45 Ja 60.

1. Ustav pro vyzkum vyzivy lidu. Vyzkumný ustav pro farmacii
a biochemii, Praha.

(MUCOPROTEINS, pharmacol.)
(LIPOPROTEIN LIPASES)

PAV,J.; PLACER,Z.; KUHN,E.; ROUBAL,Z.

Post-heparin activity of esterases in human serum. II. Inhibition
of esterolysis and fading of esterase activity. Cas. lek. cesk.
98 no.39:1232-12326 25 S '59.

I. Ustav pro výzovy lidu, Praha, reditel doc. dr. J. Masek.
Vyzkumný ustav pro farmacii a biochemii v Praze, reditel ing.
dr. O. Nemeck.

(ESTERASES blood)

PLACER, Z.; SEDLACEK, B.; ROUBAL, Z.; SLABOCHOVA, Z.; HROMADKOVA, V.

The problem of fats from the biochemical viewpoint. Cesk. gastroent.
vyz. 16 no.3/4:171-177 Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek,
DrSc.

(NUTRITION) (ADIPOSE TISSUE) (LIPID METABOLISM)

80878

S/105/60/000/06/16/023
B014/B011

9.2120

AUTHOR: Royfe, I. M., Candidate of Technical Sciences (Leningrad)

TITLE: Transients in the Windings of Multilayered Pulsed Transformers

PERIODICAL: Elektrichestvo, 1960, No. 6, pp. 71-75

TEXT: The problems investigated are related with the selection of the equivalent scheme, the theoretical and the experimental study of the transients at the leading front and at the peak of the pulses, etc. The selection of the equivalent scheme is briefly dealt with, considerations are made, and it is shown that the use of an iterated equivalent network is the most expedient for the study of transients. The following parameters of a layer are listed: equivalent capacity of the layer, inductivity of the leakage of the layer, and the mutual inductivity of the leakage of the individual layers among one another. The calculation of the layer parameters is dealt with. The Fredholm equation of second order (5) is obtained as solution of the problem under discussion. Since equation (5) is very complicated, some specific cases are investigated.

Card 1/3

XX

Transients in the Windings of Multi-layered Pulsed Transformers

80878
S/105/60/000/06/16/023
B014/B011

Equations (8) are given for the layer current and layer voltage, for the voltage between the first and the x -th layer, and the voltage over all layers. An investigation is made of the transients in the winding on the formation of the simulating voltage u_1 in the form of a jump. Fig. 3 shows some oscillograms of the winding voltages in the case of no-load. Fig. 4 shows a family of curves of the voltage over all layers. The final part of the paper deals with transients in the winding, in which the simulating voltage u_1 has the form $u_1 = E(1 - e^{-\xi t})$. Formula (12) is given for the total voltage of the winding, and in Fig. 5 the family of curves of this voltage is again graphically represented. Fig. 6 shows some oscillograms of the total voltages. In the summary, the author shows that the most unfavorable voltage distribution in the case of no-load occurs with a simulating voltage in the form of a jump. In the case of a load, oscillations arise occasionally with a period which is smaller than that of the voltage. An increase in the duration of the front of the simulating voltage leads to a diminution of the overvoltages in the layers and the above oscillations. Experimental operations were conducted with the assistance of Engineer G. R. Zablotskaya. The author thanks Professor G. A. Zeytlenko for his discussion of results.

Card 2/3

UX

80878

Transients in the Windings of Multi-layered Pulsed Transformers

S/105/60/000/06/16/023
B014/B011

There are 6 figures and 2 references: 1 Soviet and 1 German.

SUBMITTED: January 8, 1960

W

Card 3/3

PLACER, Z.; ROUBAL, Z.

Effect of mucoproteins on esterolysis in the blood serum. Cesk. fysiol.
7 no.4:368-370 July 58.

1. Ustav pro vyzkum vyzivy lidu, Vyzkumny ustav pro farmacii a biochemii,
Praha.

(ESTERASES, in blood,
eff. of mucoproteins (Cz))

(PROTEINS, effects,
on blood esterolysis (Cz))

PLAZER, Z.; SLABOCHOVA, Z.; ROUBAL, Z.

Esterolytic activity of serum following administration of heparinoid.
Cesk. fysiol. 8 no.3:236-237 Apr 59.

1. Ustav pro vyzkum vyzivy lidu, Vyzkumný ustav pro farmacie a biochemii,
Praha. Predneseno na III. fysiologickych dnech v Brne dne 14. 1. 1959.
(HEPARIN,
heparinoid, eff. on serum esterolytic activity (Cz))

Roubal, Z.

✓415. Complexones in chemical analysis. XXXVII.
Polarographic determination of calcium in biological
material. R. Pribil and Z. Roubal (*Coll. Czech.
Chem. Comm.*, 1954, **19** (2), 205-210). Ca is polaro-
graphically determined in urine and blood by a
method based on the displacement reaction ZnY''
 $+ Ca'' = CaY'' + Zn''$ (Y'' = complexonate).
This reaction is quant. in 4 to 6 N aq. NH_4I . Inter-
ference by Mg is prevented by pptg. it as $MgNH_4PO_4$.
[This is a translation into English of a paper
published originally in *Chem. Listy*, 1953, **47**, 189.]
D. R. GLASSON

Roubal, Z.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Analytical Chemistry

New complex-forming reagents in polarography. II.
Pyrocatechol-3,5-disulfonic acid. Emil Svátek, Zdeněk Roubal, and Rudolf Ptibíšil (Cárin, bichem. výzkumný ústav, České Budějovice). *Chem. Listy* 47, 1472-5 (1953); cf. *C.A.* 48, 10000d.—Pyrocatechol-3,5-disulfonic acid ("Tiron") is a suitable reagent for screening Fe^{2+} and Cu^{2+} in the polarographic detn. of other cations, e.g., Cu and Pb, in the presence of Fe or Bi in the presence of Cu or Pb in the presence of Cu and Fe. Half-wave potentials of some metal complexes of 0.05M Tiron in 0.2N NH_4OH and in 0.25N NaOH are given. M. Hudlicky

ROUBAL, ZDENEK

Use of complexons in chemical analysis. XXXVII.
Polarographic determination of calcium in biological material. Rudolf Prbil and Zdenek Roubal (Pharm. Biochem. Research Inst., Prague). *Collection Czechoslov. Chem. Commun.* 19, 252-7 (1954) (in English).—See *C.A.* 48, 3431*i*. E. J. C.

Roubal, Z.

6

Roubal.

C Z E C H

6299. Complexometric Titrations (Chelatometry). Komplexometrische Titrationen (Chelatometrie). VII. Procatechol Violet, a New Specific Indicator. Determination of Ni, Co, Mn, Zn, Mg, and Cd. Brenzatechinviolett, ein neuer spezifischer Indikator. Die Bestimmung von Nickel, Kobalt, Mangan, Zink, Magnesium und Cadmium. VIII. Maskierung von Kationen by 2,3-Dimercaptopropanol. Die Maskierung von Kationen mit 2,3-Dimercaptopropanol. IX. Problem of Determination Ni in the Presence of Co. Beitrag zur Bestimmung von Nickel neben Kobalt. (German.) M. Maláš, V. Šuk, A. Letinský, R. Přiblil and Z. Roubal. Collection of Czechoslovak Chemical Communications v. 10, no. 6, Dec. 1954, p. 1158-1174. Includes tables. 24 ref.

Author: PRJETL, R.; SVATEK, E.

Title: New complex-forming substances in chromatography. II. Pyromellitol-3,5-disulfonic acid. (In English, p. 674. (Collection of Czechoslovak Chemical Communication. Praha. Vol. 10, no. 4) East Aug. 1954)

Source: Monthly List of European Accorssions (EAL), 1954, Vol. 4, No. 4,

June 1954, Paris.

*Roubaik, Z.***CZECH**

2037. Compleximetric titrations (chelatometry).
VIII. Screening of cations with 2,2-dimercapto-
propanol. R. Ptibil and Z. Roubal (*Chem. Listy*,
1954, 48 [O], 818-824). A 10 to 25 per cent
ethanolic soln. of 2:3-dimercaptopropanol (I) is an
excellent screening agent for Pb, Bi and many other
cations with which it forms colourless or faintly
coloured salts soluble in aq. NH₃. Besides reacting
with the free cations, I also reacts with their com-
plexes with EDTA (II), quantitatively liberating
II. Thus the use of I, either alone or in conjunction
with other screening agents such as KCN and
triethanolamine (III), results in a considerable
increase in the selectivity of compleximetric deter-
minations. *Determination of Mg in the absence of*
Ca, of Ca in the absence of Mg, or of total Ca plus
Mg.—To the weakly acidic soln. add I, then buffer
soln. (prepared by mixing a soln. of 5 g of NH₄Cl
in 309 ml of H₂O with 350 ml of 28 per cent aq. NH₃
and diluting to 1 litre) until the ppt. dissolves, and
titrate the mixture with 0.01 to 0.06 M II, using
Eriochrome black T (IV) as indicator; at the end-
point the colour changes from wine-red to clear
blue. Pb, Cu, Cd and Hg do not interfere, nor does
Bi in amounts > 50 mg. *Determination of Ca in the*
presence of Pb, Mg, Fe, Al and other cations.—Treat
the soln. with a few ml of III and then dropwise
with I until the yellow ppt. of Pb or of Bi no longer
forms; dissolve the ppt. by adding 10 to 20 ml of 2 N
NaOH. Determine Ca by direct titration with II
to murexide. Ni, Cu, Mn and U give highly
coloured complexes with I and must be absent.
Determination of Ni and Zn in the presence of each
other.—Treat the soln. with an excess of II, wash it

R. P. Hill
with the buffer soln. and determine the excess of II by titration with $MgSO_4$ with IV as indicator. This gives the total Ni and Zn content. Add a few ml of I (immediate colour change from wine-red to blue owing to the formation of Zn complex) and re-titrate the liberated II with $MgSO_4$, thus giving the Zn content. Proceed similarly to determine Ni in the presence of Hg, Cd, Pb or Bi. The procedure is unsuitable for determining Ni in the presence of Cu, Co or Mn. Determination of Mn and Pb in the presence of each other.—To the weakly acidic soln. add 0.1 to 0.3 g of NH_3OH and a few ml of III, and determine the combined content of both metals by direct titration with II. To obtain the amount of Pb present, treat the soln. with a slight excess of I and titrate the liberated II with $MgSO_4$. Determination of Ni, Zn and Mg (or total Ca plus Mg)

($\downarrow \downarrow \downarrow \downarrow$)

ROUBAL, Z.

PRBIL, R.

"A Contribution to the Polarographic Determination of Zinc in Insulin." P. 366
(COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNÍK ČESkoslovenských
Khimicheskikh Rabot Vol. 18, No. 3, June 1953 - Praha, Czech.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4,
April 1955, Uncl.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

UDAL'YANOV, V.

C. TULIKH, Chem. Zvesti 4, 479-513, 1960

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

CB
J. Pharmaceutics, Cosmetics
& Perfumes '7

Polarographic determination of zinc in insulin. R. Ptibis

and Z. Roubal (Pharm. and Biochem. Research Inst., Prague, Czech.). *Chem. Listy* 46, 409-3 (1952).—Zn can be detd. polarographically in 4 N NH₄OH solns. of insulin. Cryst. insulin 0.1 g. is dissolved in 4 N aq. NH₄OH, the soln. dild. to 25 ml., 5 ml. aliquot pipetted into the Kalousek cell, dild. with 4 N NH₄OH to 10 ml., 2 drops of 0.5% gelatin soln. are added, and, after passing N₂ through the soln., the soln. is polarographed.

M. Hudlický

PLACER, Z.; ROUBAL, Z.; VOKAC, V.

Effect of the liver on biosynthesis of serum mucoproteins. Cesk. fysiol.
7 no.4:370-371 July 58.

1. Ustav pro vyzkum vyzivy lidu, Vyzkumný ustav pro farmacie a biochemii,
Praha.

(BLOOD PROTEINS,
mucoproteins, eff. of hepatectomy (Cz))
(LIVER, eff. of excis.
on blood mucoproteins (Cz))

ROUBAL, Z.

CZECHOSLOVAKIA/Human and Animal Physiology. Digestion.

V

Abs Jour: Ref. Zhur-Biol., No 6, 1958, 26984.

Author : V. Vokac, Z. Placer and Z. Roubal.

Inst :

Title : The Protective Action of Gastric Mucus Against
Experimental Erosion of the Stomach. II. Natural
Factors Influencing the Formation of the Lesions.
III. The Effect of Sulfonate and Guanido Groups
on the Activity of Pepsin in the Contents of the
Stomach.

Orig Pub: Ceskosl. gastroenterol. a vyziva, 1957, 11, No 1,
22-37.

Abstract: A study of the protective action of the gastric
mucus in rats with erosion resulting from ligation

Card : 1/3

37

ROUBAL, Z.

Polarographic determination of the bismuth salt of 7-
iodo-8-hydroxyquoline-5-sulfonic acid. B. Kakuc and Z.
Roubal (Vyzk. instit. farm. biochem., Prague). Českoslov.
farm. 5, 271-3 (1958). The Bi salt of 7-iodo-8-hydroxy-
quoline-5-sulfonic acid (I) (150 mg.) is dissolved in a soln
of 2.5 ml. 40% Na K tartrate (made to pH 9 with NaOH)
and 4 ml. 0.1N NaOH and then dild. with water to 25 ml.
One ml. of the soln. is transferred to the Kalousek vessel.

✓
Five ml. McIlvain buffer soln. pH 5, 4 ml. water, and 5
drops 0.5% gelatin are added. Polarography is carried out
after N has been bubbled through for 3 min. By this pro-
cedure both components, the acid and Bi, are detd. simul-
taneously. The av. deviation from the correct value of the a
acid was found +0.02% and of Bi -0.47%. K. Mack

Chm. 2

PRIBIL, R.; ROUBAL, Z.; SVATEK, E.

New complex-forming reagents in polarography. Part 1. 1,2-diaminocyclohexane-N,N,N',N'-tetra-acetic acid. Introduction [in English with summary in Russian]. Sbor.Chekh.khim.rab. 18 no.1:43-52 F '53. (MLRA 7:6)

1. Department of Analytical Chemistry, Charles University, and Pharmaceutical and Biochemical Research Institute, Prague.

(Polarograph and polarography) (Chemical tests and reagents)
(Acetic acid)

PРИБИЛ, Р.; РОУБАЛ, З.

Use of complexones in chemical analysis. Part 37. Polarographic determination of calcium in biological substances [in English with summary in Russian]. Sbor.Chekh.khim.rab. 19 no.2:252-257 Ap '54.
(MLRA 7:6)

1. Pharmaceutical and Biochemical Research Institute, Prague.
(Calcium in the body) (Polarograph and polarography)

ROUBAL Z.

Use of complexones in chemical analysis. XXXVII. Polarographical determination of calcium in biological material. p.189
(Chemicke Listy. Vol. 47, no. 2, Feb. 1953) Czechoslovakia

SO: Monthly List of East European Acquisitions, Vol. 2, #8, Library of Congress,
August 1953, Incl.

Chemical, Institute
Czechoslovakia /Chemical Technology. Chemical Products I-21
and Their Application

Medicinals. Vitamins. Antibiotics.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32307

Author : Kakac Bohumil, Roubal Zdenek

Title : Polarographic Determination of 7-Iodo-8-
Hydroxyquinoline-5-Sulfonate of Bismuth
(Bi-Yellow)

Orig Pub: Ceskosl. farmac., 1956, 5, No 5, 271-273

Abstract: The method for the determination of "Bi-Yellow"
is based on a polarographic reduction of 7-iodo-
8-hydroxyquinoline-sulfonic acid and the tar-
trate complex of bismuth in the buffer solution
of MacIlvaine (pH 5). In comparison with the
gravimetric and volumetric determinations the

Card 1/2

Czechoslovakia /Chemical Technology. Chemical Products I-21
and Their Application

Medicinals. Vitamins. Antibiotics.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 32307

the polarographic method has that advantage that it permits a simultaneous and sufficiently accurate determination of both component parts of the preparation. Comparative date on determination of both component parts of the preparation. Comparative data on determination of the preparation by different methods are included.

Card 2/2

PLACER, Z.; ROUBAL, Z.; VOKAC, V.

The action of gastric mucus and some sulphonated compounds on the development of experimental gastric ulcers in rats. Rev. Czech. M. 4 no.2: 111-124 1958.

1. Institute for Human Nutrition, Prague, Director: Doc. J. Musek,
Research Institute for Pharmacy and Biochemistry, Prague. Director:
Dr. Ing. Nemecek.

(PEPTIC ULCER, experimental,
eff. of gastric mucus & sulfonated cpds.)

(GASTRIC MUCIN, effects,
on exper. gastric ulcer develop.)

SULFATES, effects,
sulfonated cpds., on exper. gastric ulcer)

PAV, Jaroslav; PLACER, Zdenek; ROUBAL, Zdenek

Human blood esterase activity after heparin administration. I. Hydrolysis of various fatty acid esters. Cas. lek. cesk. 97 no.20:620-625 16 May 58.

1. Ustav pro vyzkum vyzivy lidu, Praha, reditel doc. dr. J. Masek,
Vyzkumný ustav pro farmacil a biochemii, Praha, reditel Ing. dr.

O. Nemecek. J. P., Praha-Krc, Budejovicka 800.

(ESTERASES, in blood

hydrolysis of fatty acid esters, eff. of heparin (Cz))

(HEPARIN, eff.

on blood esterase hydrolysis of fatty acid esters (Cz))

(FATTY ACIDS, metab.

hydrolysis of fatty acid esters by blood esterases, eff.

of heparin (Cz))

SCHERF, E., MIRYL, R.

"Use of complexes in chemical analysis." XXXVII. "Polarographical determination of calcium in biological material." p. 189. (CHEMICKE LISTY, Vol. 47, #2, Feb. 1953, Czechoslovakia)

Eat European Vol. 2, #8

SO: Monthly List of Russian Accessions, /Library of Congress, August 1953, Uncl.

CA
Electrochemistry -4

New complex-forming compounds in polarography. I.
1,2-Diaminocyclohexane-N,N',N'-tetracetic acid.
Rudolf Přibil, Zdeněk Roubal, and Irmil Svátek (Charles
Univ., Prague, Czech.). *Chem. Listy* 46, 396-400 (1952).
Half-wave potentials of Pb, Cu⁺⁺, Bi, Cd, Tl⁺, As³⁺, Sb³⁺,
Sn⁴⁺, Mo⁶⁺, Zn, Ni, Co, Mn, Fe²⁺, Cr, W⁶⁺, Ti⁴⁺, and UO₂
were detd. in various solns. in the presence of 1,2-diamino-
cyclohexane-N,N',N'-tetracetic acid. The half-wave po-
tential shifts can be used for masking some cations in the
polarographic detrus. Cu, Bi, and Tl can thus be detd. in
the presence of excess Pb without removing the Pb chemi-
cally.
M. Hudlický

~~ROUBAL, Zhr.~~ [Roubal, J.]; BARDOVEY, TS. [Bardodej, Z.]; KRIVUKOVA, M.
[Krivucová, M.]

Practical control measures to be observed in working with toxic
substances. Usl.zhiz.i zdorov. 1 no.3 (pt.1):208-210 '57.
(MIRA 11:3)

1. Iz Instituta gigiyeny truda pri Universitete Karla v Praze
(INDUSTRIAL TOXICOLOGY) (AIR--POLLUTION)

ROUBAL, JAN

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Part 1 - Safety and Sanitation
Techniques.

H-6

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21911
Author : Jan Roubal, Vl. Vasak
Inst : -
Title : Notes Concerning Work Hygiene in Chemical Factories in
German Democratic Republic.

Orig Pub : Pracovni lekar., 1957, 9, No 3, 241-251

Abstract : The organization of the labor protection service in the
chemical industry of GDR is described. The measures of
labor protection in various branches of the chemical in-
dustry, as well as at planning and erection of chemical
factories, at the work with industrial raw materials, the
sanitation demands at separate chemical processes of Al,
Cr and Mn compounds, polyvinylchlorides, caprolactam, poly-
acrylnitryl, synthetic rubber and other production are

Card 1/2

ROUBALEVÁ, I.

CZECH

A correct flushing of liming pits. Karel Jánek and Irena Roubalevá (Leather & Allied Trades Research Inst., Gottwaldov, Czech.). Československý kozelství 2, 187-8 (1952).— Tannery wastes are deleterious to streams. One kg. of fresh hide gives in waste waters 1.2-2.6 g. H₂S. Old lime liquors contain 1000-2500 mg./l. H₂S. The mixed wastes contain 0.0-2.0 mg./l. H₂S but during the flushing of old limes there may be as much as 10.5 mg./l. H₂S. Another poisonous substance is As. One kg. of fresh hide gives in the waste waters 10 mg. As. During the flushing of old lime liquors, the waste waters contain up to 13.5 mg./l. As₂O₃, otherwise only 5.8 mg./l. The max. permissible limit in the river according to the U.S.S.R. standard is 0.1 mg./l. As. For carps the limit is 4-8 mg./l. H₂S and 7 mg./l. As. The lethal dose is 12 mg./l. H₂S. For trout the limit is 1-2 mg./l. H₂S. L. Masner

ROUFALIK, V.

Electronic equipment for indicating the maximum consumption of electric energy.
p. 327.

SLEKTROTECHNIK. Vol. 11, no. 10, Oct. 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

KONIBALOVÁ, D.

CASE CII

✓ Note on the polarographic behavior of ethylenediaminetetraacetic acid and 1,2-diaminocyclohexane-*N,N',N'',N'''*-tetraacetic acid. B. Matyska, J. Dolezal, and D. Reznáková (Ustav fys. chem., CSAV, Prague). *Chem.-Listy* 49, 1912-1916 (1955).

(2) The reaction displayed at the dropping Hg electrode during reduction or forming of ethylenediaminetetraacetic acid (I) complexes with Hg^{+2} is perfectly reversible. In case of 1,2-diaminocyclohexane-*N,N',N'',N'''*-tetraacetic acid (II), the reaction is irreversible. The complexity const. of I is detd. from the shift of the half-wave potential and its dependence on pH as $\log K_{1/2}^{Hg^{+2}} = 21.6$. The const. of II obtained in the same manner, is assumed to be $\log K_{1/2}^{Hg^{+2}} = 24.3$. Direct measurements of the potentials of the dropping Hg electrode against an auxiliary reference electrode shows the half-wave potentials of anodic waves obtained by the common polarographic method to be erroneous because of polarization of the reference electrode. P. Štránská

Jan

Country : Czechoslovakia G-
Category :
Abs. Jour :
Author : Roubalova, D.
Institut. : Not given
Title : Paper Chromatography of Aurones
Orig. Pub. : Chem Listy, 52, No 6, 1120-1125 (1958)
45988
Abstract : The author has investigated the behavior of a number of aurones (2-benzalcoumarone-3 (I) derivatives) during paper chromatography and the effect of various substituents on the 'main' (i.e., fused with the heterocyclic ring) and 'side' (i.e., forming part of the $=\text{CHC}_6\text{H}_5$ group) benzene rings. The investigation was made by the method of descending chromatography on Schleicher-Schuell 20436 paper, which is saturated with vapors for about 12 hrs, in 30% CH_3COOH . Following

Card: 1/7

Country : Czechoslovakia
Category :

Q-3

45988

Abs. Jour :

Author :
Institut. :
Title :

Orig. Pub. :

Abstract : treatment of the chromatograms with ammonia vapor, the aurones appear under UV light as characteristically dyed fluorescent spots. 2-benzal-I on treatment with a chloroform solution of SbCl₃, gave a brownish-red spot following drying of the chromatograms at 120°. R_f and R_m values have been obtained for the aurones: 2-2-benzal-I, 0.84 and -0.77, respectively; 2-benzal-6-hydroxy-I, 0.40, + 0.16; 2-benzal-4,6-dihydroxy-I, 0.25, 0.47; 2-benzal-6,7-

Card: 2/1

Country : Czechoslovakia G-3
Category :
Abs. Jour : 45988
Author :
Institut. :
Title :

Orig. Pub. :

Abstract : hydroxybenzal)-6,7-dihydroxy-I, 0.09, 0.98; 2-(3',4'-dimethoxybenzal)-I, 0.24, 0.49; 2-(3',4'-dimethoxybenzal)- α -hydroxy-I, 0.10, 0.93; 2-(3',4'-dimethoxybenzal)-4,6-dihydroxy-I, 0.04, 1.30. R_f values for the difficult-to-synthesize 4-hydroxy-, 7-hydroxy-, 4'-hydroxy-, and 3'-methoxyaurones were determined by the extrapolation of the R_f of 4,6-dihydroxy-, 6,7-dihydroxy-, 3',4'-dimethoxy-, and 3'-methoxy-4'-hydroxy-aurones. The comparison of the R_f values has

Card: 4/7

Country :	Czechoslovakia	G-5
Category :		
Abstr. Jour :		45938
Author :		
Institut. :		
Title :		
Orig. Pub. :		
Abstract :	shown that the substitution of the hydroxy group in the main benzene ring in the 4-position has the least effect on the shift in the δ_{H} to more positive values; this result may be ascribed to the formation of a six-membered intracomplex ring which weakens the hydrophilic effect of the OH group. The introduction of an OH group in the 7-position results in the formation of a similar 5-membered ring with a weaker hydrogen bond with the result that the hydrophobicity of	
Card:	5/7	

Roubalovia, D.

Note on the polarographic behavior of ethylenediamine-tetracetic acid and 1,2-diaminocyclohexane-N,N,N',N'-tetracetic acid. B. Matyska, J. Dolezal, and D. Roubalova. Collection Czechoslov. Chem. Commun. 24, 1033-1036 (1959) (in German). See C.A. 49, 14515a. E.J.C.

RM post

ROUBALOVA, D.

ROUBALOVA, D. Remarks about the polarographic behavior of ethylenemine-tetraacetic acid and 1, 2-diaminocyclohexanemineteraacetic acid and 1, 2-diaminocyclohexane-N, N, N', N'-tetraacetic acid. In German. p. 107. Vol. 21, No. 1, Feb. 1956.
Sbornik CHEKOSLOVATSKICH KHMICHESKIKH RABOT. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. Praha, CZECHOSLOVAKIA.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6, NO 4--APRIL 1957

PORONDRA, P.; ROUBALOVA, D.

Rapid analytic methods for testing metals and inorganic materials.
XI. Determination of phosphoric acid in natural-iron phosphate after
a separation by ion exchange. Coll Cz Chem 25 no.7:1890-1894
Jl '60. (EEAI 10:9)

1. Laboratorium fur analytische Chemie, Chemisches Institut, Tschecho-
slowakische Akademie der Wissenschaften, Prag.

(Metals) (Inorganic compounds) (Phosphoric acid)
(Iron phosphates) (Ion exchange)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBANE, A. M.

"Etude electrochimique du systeme ternaire: AlCl_3 -- NaCl -- $\text{C}_6\text{H}_5\text{NO}_2$." A. M. Roubane. (p. 1419)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii). 1937, Volume 7, No. 9.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

ROUBASKO, Z. J.

"Hydrogenation catalytique des oxydes des acides non stures. Memoire 1."
Pigoulevskij, G. V. ; Roubasko, Z. J. (p. 829)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #9

ROUBCOV, M. V.

"Esters -arylaminoacryliques. II. Application des esters -arylaminoacryliques
a la synthese des acides pyridonecarboniques N-aryl-sustitues". Roubcov, M. V.
(p. 151?)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #16

ROUBICEK J. Psychiatricka klinika Karlovy university v Praze. Elektroencefalogram pri agresivnim chovani. The EEG in aggressive behaviors Casopis lekaru ceskych, Prague 1949, 88/31 (887-890) Graphs 2

In the severest forms of aggressive psychopathy asymmetry of EEG rhythm is frequently present, and a theta rhythm focus is most commonly found in the parieto-temporal region (D. Hill). The report concerns two patients in whom this observation was evident. In the second case apart from theta activity some outbursts of sharp waves of high amplitude resembling an epileptic formation were found.

Author (VIII, 2)

SO: Neurology & Psychiatry Section VIII Vol 3 No 7-12

ROUBICEK, J.; VONIRACEK, V.

Effect of rage in aggressive psychopathy on EEG findings. Neur. Psychiat.
cesk. 14 no.2-4:86-88 Aug 51. (CLML 21:5)

l. Of the Psychiatric Clinic (Head--Prof. Z. Myslivecek, M.D.) of
Charles University, Prague.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBICEK, J.

Indications of prefrontal lobotomy and significance of psychotherapy
as a supplement. Neur. psychiat. cesk. 14 no.2-4:130-131 Aug 51.
(CIML 21:5)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

ROUBICEK, J.

Psychiatric consultation in general hospital. Neur. Psychiat. cesk.
14 no. 5-6:232-237 Dec 1951. (CLML 22:3)

1. Of the Psychiatric Clinic (Head--Prof. Z. Myslivecek, M. D.),
Prague and of the Psychiatric Ambulance (Head--J. Roubicek, M. D.)
of State Hospital in Prague-Motole.

ROUBICEK, Jiri

Cardiospasm. Neur.psychiat. cesk. 18 no.3:172-177 May 55.

1. Z psychiatricke kliniky v Praze
(CARDIOSPASM
diag. & ther.)

Roubicek, Jiri

CZECH

4
Experimental psychosis elicited by lysergic acid diethyl-

amide. Jiri Roubicek and Jan Simek (Psychiat. Klin.,

Prague). *Lauvoirtovna Ceske 94, 180-91, 1956.*

Lysergic acid diethylamide (I) was administered to 12 normal subjects. The picture was dominated by sensory aberrations, hypomanic behavior, and vegetative amphotony. Somatopsychic depersonalization occurred; K level increased slightly, glycemia showed no change, cephalin-cholesterol test was neg. The sensitivity of psychotic patients (20 cases) to I was somewhat decreased. I appears to cause a manifestation of latent symptoms. No lasting improvement was noted in depressive states. Electroencephalograms (EEG) were characterized by an acceleration of the α -rhythm (in 27 of 31 previously normal EEG), and by an increase of amplitude of the β -waves. Both diencephalon and cerebral cortex seem to be affected by I.

I. M. Hais

CH

✓
QH

ROUBICEK, Jiri

Psychic epilepsy. Cesk. neur. 19 no.2:97-104 May 56.

l. K 60. narozeninam akademika K. Hennera. Z psychiatricke
kliniky Karlovy univeristy v Praze.
(EPILEPSY,
psychic (Cz))

ROUBICEK, Jiri

Psychopathology of ulcerative colitis. Cas. lek. cesk.
95 no. 41:1131-1136 12 Oct 56.

1. Psychiatricka klinika KU v Praze, predn. prof. Dr.
Z. Myslivecek, Praha 2, Ke Karlovu 11.
(COLITIS, ULCERATIVE, psychol.
psychol. factors in etiol. (Cz))

ROUZICEM, Jiri; MARENOVA, Frantiska

Psychopathology of ulcerative colitis. II. Cesk. Psychiat. 53 no. 4:
pp. 233-239 Sept 1970.

1. Psychiatricka klinika KU v Praze.
(COLITIS, ULCERATIVE, psychol.
psychol. factors in etiol. (Cx))

EXCERPTA MEDICA Sec 8 Vol 12/5 Neurology May 59

2448. SIMILARITIES AND DIFFERENCES BETWEEN SCHIZOPHRENIA AND
EXPERIMENTAL PSYCHOSES - Roubíček [J. Clin. of Psychiat., Charles Univ., Prague - REV. CZECH. MED. 1958, 4/2 (125-134) Graphs 1
Illus. 6]

Experiments (142) on 115 persons, including healthy and psychotic subjects, carried out with LSD produced states resembling hebephrenia, manic moods, and occasional hallucinations and depersonalization. Marked shifting of EEG spectrum to the more rapid side of the scale and cortical irritation were recorded. The clinical picture in the majority of schizophrenic reactions was quite different, showing no such increase in tempo of mental processes, motor unrest, and visual illusions, such as were observed in the drug-treated cases. Differences in personality structure are brought out by variation in dosage. (Cf. Masserman's evidence that monkeys react to intoxication typically, according to species, rather than chemically, according to the type of drug used.) If the experimental subject was left alone (without friends), the psychotic signs were usually intensified. Schizophrenics commonly take larger doses than healthy subjects before exhibiting symptoms, with acute cases responding more actively than chronic ones. A study of art work performed by schizophrenics, said to be characterized by unaccentuated lines, stereotypical composition, and fondness for disruptive details, with sometimes strange daring of imagery, shows that such psychotic art differs strikingly from that produced by LSD experiments. The latter present no emphasis on symbolism, no disintegration of form, even in trying to capture a delusion pictorially. The article contains 6 illustrations of hallucinatory art produced under lysergic intoxication.

Bronson Feldman - Philadelphia, Pa.

ROUBICEK, Jiri (Praha 2, Ke Karlovu 11.)

Similarities & differences between experimental psychoses & schizo-
phrenia. Cesk. Psychiat. 54 no.2:108-115 Apr 58.

1. Psychiatricka klinika KU v Praze.

(SCHIZOPHRENIA

physiopathol. & psychopathol. comparison with exper.
psychoses (Cz))

(PSYCHOSES, exper.

physiopathol. & psychopathol. comparison with schizophrenia
(Cz))

ROUBICEK, Jiri.

Electroencephalographic studies on ataractic drugs. Cas. lek.
cesk. 98 no.39: Lek.ved.zah.:193-198 25 S '59.

l. Psychiatricka klinika Karlovy university v Praze, predn. prof.
dr. V. Vondracek.

(ELECTROENCEPHALOGRAPHY pharmacol.)
(TRANQUILLIZING AGENTS pharmacol.)

ROUBICEK, Jiri

Electroencephalography during electric shock therapy. Cesk. Psychiat.
55 no.2:90-95 Apr 59.

1. Psychiatricka klinika, KU v Praze.
(SHOCK THERAPY, ELECTRIC,
EEG (Cz))
(ELECTROENCEPHALOGRAPHY,
in electric shock ther. (Cz))

ROUBICEK, Jiri; DOBIASOVA, Libuse

Insulinism. Cas. lek. cesk. 98 no.24:762-766 12 June 59.

1. Psychiatricka klinika KU v Praze, prednosta prof. dr. V. Vondracek.

J. R., Praha 1, Vsehrdova 27.

(INSULIN, inj. eff.

insulinism (Cz))

ROUBICEK, Jiri

Toxic and experimental mental disorders. Cesk.psychiat. 56 no.1:
8-13 F '60.

1. Psychiatricka klinika KU v Praze.
(PSYCHOSES TOXIC)

ROUBICEK, Jiri; DRVOTA, Stanislaw

Psilocybin, a new hallucinogen. Cesk.psychiat. 56 no.1:44-55
F '60.

1. Psychiatricka klinika KU v Praze.
(HALLUCINOGENS pharmacol.)
(INDOLES pharmacol.)

ROUBICEK, Jiri

Epilepsy in psychiatry. Cesk. Psychiat. 57 no.3:145-155 '61.

1. Psychiatricka klinika KU v Praze.
(EPILEPSY) (PSYCHIATRY)

ROUBICEK, Jiri

Thioridazine (melleril) in psychiatric treatment. Cas.lek.cesk 100
no.38/39:1225-1232 29 S '61.

1. Psychiatricka klinika KU v Praze, prednosta prof. dr. V. Vondracek.

(TRANQUILIZING AGENTS ther)

ROUBICEK, J.

Personality and electric brain activity in corticovisceral disturbances.
Activ. nerv. sup. 4 no.3/4:353-358 '62.

1. Psychiatric Clinic of Charles' University in Prague.
(NEUROCIRCULATORY ASTHENIA) (CARDIOSPASM) (COLITIS)
(COLITIS ULCERATIVE) (ELECTROENCEPHALOGRAPHY)

ROUBICEK, Jiri

Mental and electrical changes following head injuries. Cesk.
psychiat. 58 no.3:183-190 Je '62.

1. Psychiatricka klinika KU v Praze.

(ELECTROENCEPHALOGRAPHY)
(NEUROLOGICAL MANIFESTATIONS)
(BRAIN wds & inj)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBICEK,J.

Psychiatry, art, experiment. Cesk. psychiat. 10 no.2:134-135
Ap'64.

*

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

ROUBICEK, J.

Doping from the viewpoint of neuropsychiatry. Cesk. Psychiat.
59 no.6:361-366 D'63.

1. Vyzkumny ustav psychiatricky, Praha 8, Bohnice.

CZECHOSLOVAKIA

ROUBICEK, J.; Psychiatric Research Institute (Vyzkumny Ustav
Psychiatrie), Prague.

"Aggressive Traits Expressed in Creative Art."

Prague, Ceskoslovenska Psichiatrie, Vol 62, No 5, Oct 66, pp
294 - 302

Abstract /Author's English summary modified/: The mechanism and
genesis of aggressive expression in creative art is discussed
on the basis of the course of mental disease in two 19 year old
patients treated by the author. The patients had an urgent de-
sire to express themselves by painting; the paintings show an
orgasmic emotional explosion. The relation between the expres-
sion and the temporobasal areas of the brain are discussed. Neuro-
logical and EEG findings, psychopathological data, and examina-
tion of the cerebrospinal fluid confirmed the diagnosis. Mecha-
nism of the reduction in the mental tension resulting from the
artistic expression is discussed. 10 Figures, 5 Western, 3
Czech, 2 East German references. (Manuscript received 2 Mar 66).

1/1

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBICEK, Karel

Air travel in Italy. Detacky obzor 8 no. 9:258-260 S 164.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBICEK, Karel

Domestic air transportation in the present year. Letecky obzor 9
no.1:3-4 - ja 165.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

ROUBICEK, Karel

Development of domestic air transportation. Letecky obzor 5 no.11:
342-348 '61.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBICEK, Karel

Movte on aerobuses. Latecky obzor 8 no.3873-74 Mr¹64.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

Roubíček, O.

Elektrotechnický Ozbor
Vol. 47, Nr. 1, 1958

Roubíček, O. Statical Method of Measuring the Saturated Value of the Longitudinal Initial Transient Reactance of a Synchronous Machine

Statistical Method of Measuring the Saturated Value of the Longitudinal Initial Transient Reactance of a Synchronous Machine This paper presents a description of a statistical method of measuring the saturated value of the longitudinal transient second reactance (machine with damper), as well as of the first reactance (machine without damper). The measuring is performed in the synchronous state of the short-circuited machine in connection as shown in Fig. 8. The measured reactance of the phase X , extrapolated for the exciting current $I_b = \infty$ by means of the function $X = F(I_b^{-1})$, is independent of the magnitude of the phase current and the position of the rotor in relation to the phase of the stator and agrees within a range of about 10% with the value obtained by testing a sudden, symmetrical short-circuit on the terminals of the machine from no-load run at the rated flow of the machine. The application of the method and the elaboration of the results is demonstrated.

9

RW

RCUPICEK, O.

"The static method of measuring the saturated value of the longitudinal
initial transient reactance of a synchronous machine.

p. 17 (Elektrotechnicky Obzor. Vol. 47, no. 1, Jan. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

ROUBICEK, O.

TECHNOLOGY

ELEKTROTECHNICKY, OBZOR.

ROUBICEK, O. Warming up of electric motors in cyclic operations with
charging load. p. 433.

Vol. 47, no. 8, Aug., 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 5
May 1959, Unclass.

ROUBICEK, O., inz.

Pressure and discharge conditions between the fixed wall and
rotating circular wall. Strojirenstvi 12 no.9:669-676 S '62.

1. Zavody V.I.Lenina, Plzen.

ROUBICEK, Ota, inz.

Theory and description of a method of experimental investigation
of pressure characteristics of the elements of electric machine
ventilation circuits. Acta techn Cs 10 no.1:30-57 '65.

1. Automation Research of the Research and Testing Institute
of the Zavody V.I.Lenina National Enterprise, Plzen. Submitted
June 5, 1964.

ROUBIK, Frantisek [Roubik, Frantisek]

Historical geography in Czechoslovakia after 1945. Vop. geog.
no.50:35-51 '60. (MIRA 13:8)
(Czechoslovakia--Historical geography)

RUBIK, F.

The three oldest maps of the south Bohemian fishpond region. p. 58.
(Kartograficky Prahled, Vol. 11, no. 2, 1957. Praha, Czechoslovakia)

cc: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, Octotter 1957. Uncl.

ROURIK, F.

Abolition of the position of chief provincial boundary surveyor in 1826. p. 131

Vol. 9, no. 3, Sept. 1955
KARTOGRAFICKY PREHLED
Praha, Czechoslovakia

So: Eastern European Accession Vol. 5 No. 4, April 1956

ROUEIK, F.

"The Loudon Family's Collection of Maps." p. 164,
(KARTOGRAFICKY PREHLED, Vol. 8, No. 4, Dec. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

FOUBIK, F.

LUKL P., PROCHAZKA J., ROUBIK V., CEVNIK G.
Klinicke zkušenosti s chlorovanym alkylaminem (nitrogen mustard). *[Clinical experiences with nitrogen mustard]*
Cas. lek. česk. 89:15 14 Apr 50 p. 421-4.

1. Of the Internal Clinic in Hradec Kralove (Head — Prof. Pavel Lukl, M.D.).

CLML Vol. 19, No. 2 Aug. 1950

RECEIVED
K.

The relation of disturbances of the function of adrenal cortex to the excretion of neutral urinary 17-keto steroids. X. Ponolz (intern. klin., Hradec Králové, Czech.). *Casopis Lékařů ČSR* 39, 382-6 (1950).—A review of methods for the detn. of steroids in urine in order to assess the function of adrenal cortex. 23 references. II. *Ibid.*, 815-19.—The results of 30 assays of 26 cases of endocrine disturbances and nonendocrine cases detd. by the Holter-Koch method (cf. *G.A.*, 34, 6961*), are reported. Anthony Zeifel

ROUBIK, K.

Studies of functional disorders of the adrenal cortex by
determination of neutral 17-ketosteroids in urine. Cas. lek.
cesk. 89 no.29:815-819 21 July 1950. (CIML 20:1)

1. Of the Internal Clinic of Charles University, Branch in Hradec
Kralove (Head-- Prof. P. Lukl, M. D.) and with the technical co-
operation of V. Rackova, laboratory technician of the Endocrinolog-
ical Laboratory.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

ROUBIK, K.
F. CERNIK, Cas Lek Ces, 1950, 39, 421-424

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

Roubik, K.

CERNIK, F.; LUKL, P.; PROCHAZKA, J.; ROUBIK, K.

Clinical experiences with nitrogen mustards. Cas.lek.cesk. 89
no.15:421-424 14 Ap '50. (CLML 19:2)

l. Of the Internal Clinic in Hradec Kralove (Head -- Prof. Pavel Lukl, M.D.).

ROUBIK, K.

[Functional disorders of the suprarenal cortex in relation to excretion of neutral 17-ketosteroids in Urine] Vysetrovani poruch funkce kury nadled-vinkove podle vylucovani neutralnich 17-ketosteroidu v moci. Cas.lek.cesk. 89 no.13:382-385 31 Mr '50.(CLML 19:1)

1. Of the Internal Clinic of Charles University Branch at Hradci Kralove (Head -- Prof. P. Lukla, M.D.).

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8

KUCHAR, Karel; ROUBIK, Ondrej; LUKNIS, M.; KORCAK, J.; TICHY, Otakar;
RIEDLOVA, Marie

Present state of the Czechoslovak geography. Sbor zem 68 no.1:2-9
'63.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445510012-8"

CZECHOSLOVAKIA / Laboratory Equipment. Apparatus. Its F
Theory, Construction and Application.

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11602.

Author : Roubinek E. Kotikova M.

Inst : Not given.

Title : The Geiger-Mueller Counter with Two Concave Windows.

Crit Pub: Jaderna energie, 1958, 4, No 6, 159-161.

Abstract: The construction and technical data about a counter with two windows for the registration of β - radiation are described. In contrast to existing models, in which the anode is supported by a holder disrupting the homogeneity of the field, the anode in the improved counter is reinforced in the glass bushings cemented to the mica windows. The new counter possesses all the basic properties of the usual counters with hydrocarbon suppression.

Card 1/2

Rambinck, F.

CZECH

537.542

1391. The temperature dependence of spurious pulses
in G-M counters. R. SEIDL AND J. KOLUBEK
Czech. J. Phys., 1, No. 3-4, 207-10 (1952).

The spurious counting rates are plotted against
temps. (up to about 95°C) and the dependence is
thereby established. Self-quenching mixtures with
Pt cathodes were used. The effect is attributed to
electrons or negative ions liberated at the cathode by
exothermic reactions between incident and adsorbed
molecules.

J. D. CRANES

300
000
000
000

✓
✓

Roubinek, Frantisek

The electron emission which results as a secondary phenomenon from the effect of a gas phase on a metallic surface. Frantisek Roubinek and Jindra Soidl (Czech Acad. Sci., Prague). *Czechoslov. J. Phys.*, 2, 84-104 (1953) (In German).—The electron emission from metallic surfaces which are in contact with a gas phase is attributed to the accompanying chem. reactions which end on the metallic surface. In some tests small amounts of pure dry H and O are admixed with the main filling. Tests are conducted on the conditions necessary for the generation of the emission, on the time and temp. dependences of the emission, and on the change of work function which occurs in connection with the processes that affect the emission from the emitting surface. The emission occurs only when O is present. For comparison purposes the metallic surfaces can be cleaned in a H or an A discharge. The delonization effect of pos. ethylene ions on the emitting surface is also studied. From the test results math. formulas are derived which show the time and temp. dependence on the emission current. From the idea of oxidized surfaces on metals a theory of the external conditions of the investigated emission is deduced and it is shown that the deduced correlations are in complete qual. agreement with all experimentally ded. properties of the investigated emission. Furthermore, differences are established between these test results and the theories disclosed by Havel, et al. (C.A. 45, 03004), and certain shortcomings in their interpretation of the phenomena cited are briefly implied. It is also shown that a test of this kind cannot offer any conclusive knowledge on the actual mechanism of the elementary emission processes.

George Melster

6

Roubinek, F.

Phys?

C.B.

537,533 : 541,183
6657. On the inhibition of "chemical emission" from
fresh metallic surfaces. R. SEIDL AND F. ROUBINEK.
Czech. J. Phys., 3, No. 1, 309-13 (1953) *In German.*

Describes experiments relating to the emission of
negative charged particles from surfaces following
adsorption processes. Geiger counter methods were
used to follow the emission and its variation with
time.

J. D. CRAGO

-cf